

## DAFTAR PUSTAKA

Aghajanian, P. and Mohan, S. (2018) 'The art of building bone: Emerging role of chondrocyte-to-osteoblast transdifferentiation in endochondral ossification', *Bone Research*, 6(1). doi: 10.1038/s41413-018-0021-z.

Batbay, S. G. *et al.* (2020) 'Quality of Life Evaluation Following Limb Lengthening Surgery in Patients with Achondroplasia', *Indian Journal of Orthopaedics*, 54, pp. 39–46. doi: 10.1007/S43465-020-00127-1.

Bhusal, S. *et al.* (2020) 'Diagnosis of achondroplasia at birth: A case report', *Journal of the Nepal Medical Association*, 58(222), pp. 119–121. doi: 10.31729/jnma.4846.

*Bone Lengthening. Fajar Yulianto KR Rumah Sakit Umum Daerah Ende, Flores, Nusa Tenggara Timur - PDF Download Gratis* (no date). Available at: <https://docplayer.info/36942619-Bone-lengthening-fajar-yulianto-kr-rumah-sakitumum-daerah-ende-flores-nusa-tenggara-timur.html> (Accessed: 28 July 2021).

Çakmak, M. *et al.* (2018) *Basic techniques for extremity reconstruction: External fixator applications according to Ilizarov principles*, *Basic Techniques for Extremity Reconstruction: External Fixator Applications According to Ilizarov Principles*. doi: 10.1007/978-3-319-45675-1.

Chilbule, S. K., Dutt, V. and Madhuri, V. (2016) 'Limb lengthening in achondroplasia', 50(4), pp. 397–405. doi: 10.4103/0019-5413.185604.

Dossanov, B. *et al.* (2021) 'Evaluating the results of long tubular bone distraction with an advanced rod monolateral external fixator for achondroplasia', *Scientific Reports*, 11(1), pp. 1–8. doi: 10.1038/s41598-021-94146-z.

F, S. and R, R. (2012) 'Lower limb lengthening in patients with disproportionate short stature with achondroplasia: a systematic review of the last 20 years', *Disability and rehabilitation*, 34(12), pp. 982–987. doi: 10.3109/09638288.2011.631677.

Ginebreda, I. *et al.* (2019) 'Surgical technique and outcomes for bilateral humeral lengthening for achondroplasia: 26-year experience', *Musculoskeletal Surgery*, 103(3), pp. 257–262. doi: 10.1007/s12306-018-0583-3.

H, B. and H, L. (2015) 'Achondroplasia: Current Options and Future Perspective', *Pediatric endocrinology reviews : PER*, 12(4), pp. 388–395. Available at: <https://pubmed.ncbi.nlm.nih.gov/26182483/> (Accessed: 2 August 2021). Hallett, S. A., Ono, W. and Ono, N. (2019) 'Growth plate chondrocytes: Skeletal development, growth and beyond', *International Journal of Molecular Sciences*, 20(23), pp. 1–17. doi: 10.3390/ijms20236009.

Ameliana, 2022

TERAPI BEDAH PEMANJANGAN TUNGKAI VS TERAPI OBAT HORMONAL VOSORITIDE PADA PENDERITA AKONDROPLASIA : *Systematic Review*

UPN Veteran Jakarta, Fakultas Kedokteran, Program Studi Kedokteran Program Sarjana  
[[www.upnvj.ac.id](http://www.upnvj.ac.id) - [www.library.ac.id](http://www.library.ac.id) - [www.repository.upnvj.ac.id](http://www.repository.upnvj.ac.id)]

- Hasler, C. C. and Krieg, A. H. (2012) 'Current concepts of leg lengthening', *Journal of Children's Orthopaedics*, 6(2), pp. 89–104. doi: 10.1007/s11832-012-0391-5.
- Högler, W. and Ward, L. M. (2020) 'New developments in the management of achondroplasia', *Wiener Medizinische Wochenschrift*, 170(5–6), pp. 104–111. doi: 10.1007/s10354-020-00741-6.
- Hosny, Gamal A. (2020) 'Limb lengthening history, evolution, complications and current concepts', *Journal of Orthopaedics and Traumatology*, 21(1). doi: 10.1186/s10195-019-0541-3.
- Hosny, Gamal A (2020) 'Limb lengthening history, evolution, complications and current concepts', *Hosny J Orthop Traumatol*, 21, p. 3. doi: 10.1186/s10195-0190541-3.
- Ivanova, N. *et al.* (2016) 'Distraction Osteogenesis: Biological Principles and Its Application in Companion Animals', *Intech*, i(tourism), p. 13.
- Karuppaiah, K. *et al.* (2016) 'FGF signaling in the osteoprogenitor lineage nonautonomously regulates postnatal chondrocyte proliferation and skeletal growth', *Development (Cambridge)*, 143(10), pp. 1811–1822. doi: 10.1242/dev.131722.
- Legeai-Mallet, L. and Savarirayan, R. (2020) 'Novel therapeutic approaches for the treatment of achondroplasia', *Bone*, 141(August), p. 115579. doi: 10.1016/j.bone.2020.115579.
- Liantis, P. *et al.* (2014) 'Risk factors for and complications of distraction osteogenesis', *European Journal of Orthopaedic Surgery and Traumatology*, 24(5), pp. 693–698. doi: 10.1007/s00590-013-1261-7.
- Long, F. and Ornitz, D. M. (2013) 'Development of the endochondral skeleton', *Cold Spring Harbor Perspectives in Biology*, 5(1). doi: 10.1101/cshperspect.a008334.
- Lorget, F. *et al.* (2012) 'REPORT Evaluation of the Therapeutic Potential of a CNP Analog in a Fgfr3 Mouse Model Recapitulating Achondroplasia', *The American Journal of Human Genetics*, 91, pp. 1108–1114. doi: 10.1016/j.ajhg.2012.10.014.
- Matsushita, M. *et al.* (2013) 'Meclozine facilitates proliferation and differentiation of chondrocytes by attenuating abnormally activated FGFR3 signaling in achondroplasia', *PLoS ONE*, 8(12). doi: 10.1371/JOURNAL.PONE.0081569.
- Morozumi, N. *et al.* (2019) 'ASB20123: A novel C-type natriuretic peptide derivative for treatment of growth failure and dwarfism', *PLoS ONE*, 14(2), pp. 1–17. doi: 10.1371/journal.pone.0212680.
- Moyes, A. J. and Hobbs, A. J. (2019) 'C-Type Natriuretic Peptide: A Multifaceted Paracrine Regulator in the Heart and Vasculature', *International Journal of Molecular Sciences 2019, Vol. 20, Page 2281*, 20(9), p. 2281. doi: 10.3390/IJMS20092281.

- Murad, M. H. *et al.* (2016) ‘New evidence pyramid’, *BMJ Evidence-Based Medicine*, 21(4), pp. 125–127. doi: 10.1136/EBMED-2016-110401.
- Ornitz, D. M. and Itoh, N. (2015) ‘The fibroblast growth factor signaling pathway’, *Wiley Interdisciplinary Reviews: Developmental Biology*, 4(3), pp. 215–266. doi: 10.1002/wdev.176.
- Ornitz, D. M. and Legeai-Mallet, L. (2017) ‘Achondroplasia: Development, pathogenesis, and therapy’, *Developmental Dynamics*. John Wiley and Sons Inc., pp. 291–309. doi: 10.1002/dvdy.24479.
- Park, K. W. *et al.* (2015) ‘Limb lengthening in patients with achondroplasia’, *Yonsei Medical Journal*, 56(6), pp. 1656–1662.
- Pauli, R. M. (2019) *Achondroplasia: A comprehensive clinical review*, *Orphanet Journal of Rare Diseases*. Orphanet Journal of Rare Diseases. doi: 10.1186/s13023018-0972-6.
- Peake, N. J. *et al.* (2014) ‘Role of C-type natriuretic peptide signalling in maintaining cartilage and bone function’, *Osteoarthritis and Cartilage*. W.B. Saunders Ltd, pp. 1800–1807. doi: 10.1016/j.joca.2014.07.018.
- Pereira, E. (2019) ‘Achondroplasia’, *Pediatrics in review*, 40(6), pp. 316–318. doi: 10.1542/pir.2018-0009.
- Pfeiffer, K. M. *et al.* (2021) ‘Functioning and well-being in older children and adolescents with achondroplasia: A qualitative study’, *American Journal of Medical Genetics Part A*. doi: 10.1002/ajmg.a.62534. del Pino, M., Fano, V. and Adamo, P. (2019) ‘Height growth velocity during infancy and childhood in achondroplasia’, *American Journal of Medical Genetics, Part A*, 179(6), pp. 1001–1009. doi: 10.1002/ajmg.a.61120.
- Del Pino, M., Fano, V. and Adamo, P. (2018) ‘Growth velocity and biological variables during puberty in achondroplasia’, *Journal of Pediatric Endocrinology and Metabolism*, 31(4), pp. 421–428. doi: 10.1515/jpem-2017-0471.
- Rahman, S. (2016) ‘Limb Lengthening: Metode Ilizarov Dan Wagner’, *Jurnal Kedokteran Syiah Kuala*, 16(1), pp. 26–33.
- RC, O. *et al.* (2015) ‘C-type natriuretic peptide plasma levels are elevated in subjects with achondroplasia, hypochondroplasia, and thanatophoric dysplasia’, *The Journal of clinical endocrinology and metabolism*, 100(2), pp. E355–E359. doi: 10.1210/JC.2014-2814.
- Richard Brewer, J., Mazot, P. and Soriano, P. (2016) ‘Genetic insights into the mechanisms of Fgf signaling’, *Genes and Development*, 30(7), pp. 751–771. doi: 10.1101/gad.277137.11.

- Robinson, J. W. *et al.* (2017) 'Dephosphorylation is the mechanism of fibroblast growth factor inhibition of guanylyl cyclase-B', *Cellular Signalling*, 40, pp. 222–229. doi: 10.1016/J.CELLSIG.2017.09.021.
- Runyan, C. M. and Gabrick, K. S. (2017) 'Biology of bone formation, fracture healing, and distraction osteogenesis', *Journal of Craniofacial Surgery*, 28(5), pp. 1380–1389. doi: 10.1097/SCS.00000000000003625.
- Salhotra, A. *et al.* (2020) 'Mechanisms of bone development and repair', *Nature Reviews Molecular Cell Biology*, 21(11), pp. 696–711. doi: 10.1038/s41580-02000279-w.
- Savarirayan, R. *et al.* (2019) 'C-Type Natriuretic Peptide Analogue Therapy in Children with Achondroplasia', *New England Journal of Medicine*, 381(1), pp. 25–35. doi: 10.1056/nejmoa1813446.
- Savarirayan, R. *et al.* (2020) 'Once-daily, subcutaneous vosoritide therapy in children with achondroplasia: a randomised, double-blind, phase 3, placebocontrolled, multicentre trial', *The Lancet*, 396(10252), pp. 684–692. doi: 10.1016/S0140-6736(20)31541-5.
- Savarirayan, R., Irving, M., *et al.* (2021) 'No Title', *Science Progress*, 104(1). doi: 10.1177/00368504211003782.
- Savarirayan, R., Tofts, L., *et al.* (2021) 'Safe and persistent growth-promoting effects of vosoritide in children with achondroplasia: 2-year results from an openlabel, phase 3 extension study', *Genetics in Medicine*. doi: 10.1038/s41436-02101287-7.
- Shabtai, L. *et al.* (2021) 'Simultaneous bilateral femoral and tibial lengthening in achondroplasia', *Children*, 8(9). doi: 10.3390/children8090749.
- Shahi, M., Peymani, A. and Sahmani, M. (2017) 'Regulation of bone metabolism', *Reports of Biochemistry and Molecular Biology*, 5(2), pp. 73–82. doi: 10.1201/9781420028836.ch14.
- Shamseer L, Moher D, Clarke M, Gherzi D, Liberati A, Petticrew M, Shekelle P, S. L. (2015) 'Prisma-P Checklist 2015', *BMJ: British Medical Journal*, 349, p. g7647.
- Siddiqui, J. A. and Partridge, N. C. (2016) 'Physiological bone remodeling: Systemic regulation and growth factor involvement', *Physiology*, 31(3), pp. 233–245. doi: 10.1152/physiol.00061.2014.
- Soiza, R. L., Donaldson, A. I. C. and Myint, P. K. (2018) 'New perspectives on the treatment of skeletal dysplasia', *Therapeutic Advances in Vaccines*, 9(6), pp. 259–261. doi: 10.1177/https.
- Soldatov, Y. P. *et al.* (2019) 'Evaluation of clinical efficacy and safety of the Ilizarov apparatus for external fixation (literature review)', *Genij Ortopedii*, 25(4), pp. 588–599. doi: 10.18019/1028-4427-2019-25-4-588-599.

- Supartono, B. (2018) 'Hyaline Cartilage Regeneration on Osteochondral defects by Intraarticular Injection of Human Peripheral Blood CD34+ Cells, Hyaluronic Acid and Growth Factor in a Rat Model', *Biomedical Journal of Scientific & Technical Research*, 7(1), pp. 1–10. doi: 10.26717/bjstr.2018.07.001436.
- Tritos, N. A. (2017) 'Focus on growth hormone deficiency and bone in adults', *Best Practice and Research: Clinical Endocrinology and Metabolism*, 31(1), pp. 49–57. doi: 10.1016/j.beem.2017.02.002.
- Unger, S., Bonafé, L. and Gouze, E. (2017) 'Current Care and Investigational Therapies in Achondroplasia', *Current Osteoporosis Reports*, 15(2), pp. 53–60. doi: 10.1007/s11914-017-0347-2.
- Wrobel, W., Pach, E. and Ben-Skowronek, I. (2021) 'Advantages and disadvantages of different treatment methods in achondroplasia: A review', *International Journal of Molecular Sciences*, 22(11). doi: 10.3390/ijms22115573. Zhou, Z. Q. *et al.* (2015) 'Mutant activated FGFR3 impairs endochondral bone growth by preventing SOX9 downregulation in differentiating chondrocytes', *Human Molecular Genetics*, 24(6), pp. 1764–1773. doi: 10.1093/hmg/ddu594.